

Human Parathyroid Hormone Modifications, Preparation and Use

Abstract

Synthetic and/or recombinant biologically active peptide derivatives of
5 PTH(1-28), comprising a biologically active peptide at least 90% identical to a
peptide consisting essentially of the formula:

(a) X_{01} ValSerGluIleGlnLeuMetHisAsnLeuGlyLysHisLeuAsnSer
Met X_{02} ArgValGluTrpLeuArgLysLysLeu (SEQ ID NO:1);

10 (b) fragments thereof containing amino acids 1-24, 1-25, 1-26, or 1-
27;
(c) pharmaceutically acceptable salts thereof; or
(d) N- or C- derivatives thereof;

wherein:

X_{01} is Ser, Ala or Gly; and

15 X_{02} is Glu or Arg,

provided that said peptide is not hPTH(1-26)NH₂, hPTH(1-27)NH₂ or hPTH(1-
28)NH₂.